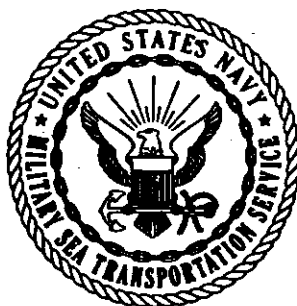


After Engine Room

ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS

Gen John Pope

FROM Oct 1 19 66 TO Oct 31 19 66

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.
2. All entries of time shall be made on the 24-hour basis, noon-to-noon.
3. Under the heading "REMARKS" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, including violations of orders or regulations. Entries should be preceded by the time when pertaining to important tests, casualties, injuries, etc.
4. Entries regarding the following shall also be made when occurring:
 - (a) Repairs accomplished during watches.
 - (b) Faulty or erratic operation or failure of machinery.
 - (c) Any important changes in machinery of any nature or additions thereto.
 - (d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; details to be recorded in Machinery History.
 - (e) Pumping of bilges.
 - (f) Blowing of tubes (*not applicable to Diesel and Diesel Electric*).
 - (g) Examining holding down bolts.
 - (h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.
 - (i) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.
 - (j) Derelictions or deficiencies developed on the part of any member of the engine department.
 - (k) Filtering and cleaning elements installed in fuel and lube oil lines.
5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.
6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL												
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	3	1200	460		8	140	124		60	1250	1250	230	10385010	10380580	4430									
1600 TO 2000					9.7	144	128		49	1250	1250	230												
2000 TO 2400																								
2400 TO 0400	3	1200	460		8	140	124		60	1250	1250	230												
0400 TO 0800	4	1200	460		9.7	144	128		49	1250	1250	230												
0800 TO 1200	3	1200	450		8	142	124		60	1400	1400	230												
	4	1200	450		9.8	145	130		49	1350	1350	230												
					8	140	126		62	1250	1250	230												
					9.7	142	132		48	1250	1250	230												

LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
			4		4

SUMMARY

RUNNING TIME		PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WAG in OPERATION: #4 (BLR, F.O. PUMP, FD. FAN, W/N FD PUMP) #3 & 4 LQWS, AUX COND PUMP, AUX & W/N CIRCS, #3 W/N COND PUMP, W/N L.O. P, PURIFIER, AIR COMP. STARTED WARMING FIRE IN #3 BLR, CLOSED AIR COCK & SUP/HR DRWS W/N UNIT ON JACK GEAR, 2ND STAGE AIR EJECTOR

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE CHANGED AND CLEANED F.O. BURNER AND DISCH. STARINER. MAINTAINING 100-400 PSI IN #3 BOILER. REPACKED INBOARD GAUGE GLASS ON #4 BOILER. MAIN COND. 41 SIG CHANGED FROM OUTBOARD TO INBOARD SETTLER @ 0730

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY AS BEFORE EXCEPT SECURED #3 BOILER. CHIEF ENGINEER IN ENGINE ROOM. 0900 TO 1020. TEST RUNNING #3 MAIN COND. PUMP.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER #1

SERIES 2112

F.O. 622 F.O. 636

A.D. 11.10

T-ALL 14.60

SAL. 4.14

PECS. 40

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope (AP110)	5C	Qui Nhon		P2-G	Oct 1-2

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			240	240	240	150						128	122	122	110
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)			1166 1550	1166 6290	1167 9760	1168 8020						121 112	118 110	125 112	109 114
TOTAL REVOLUTIONS (FOR WATCH)				4740	13470	8260						102	102	102	104
AVERAGE RPM				47.9	56.1	55.0						236	236	235	239
F.O. METER (END OF WATCH)		1038 5590	1038 6190	1038 7170	1038 8530	1038 8530	1039 0120								
F.O. CONSUMED		580	600	980	1360	1200	0590								
PRESSURES	THROTTLE			450 28.4	450	450	—								
	H.P. AHEAD			280	200	V	—								
	L.P. AHEAD			2.5	4"	A	—								
	VACUUM	20.5	20.5	28.7	27.5	F	23.2								
	L.O. TO TURBINES	13.5	13.5	13.2	13.5	I	13.2								
	AUX. STEAM	135	135	150	150	0	150								
	BACK PRESSURE	9	9	9	9	4	9								
	GLAND STEAM	4.0	3.2	3.5	4.0	S	2.7								
	H.P. BLEEDER				SCCD										
	L.P. BLEEDER		17"	21"			6								
TEMPERATURES	STEAM AT THROTTLE			450	450	450									
	L. P. EXHAUST	128	128	134	118	135									
	CONDENSATE	96	96	104	92	96	98								
	CIRC. WATER IN	82	82	82	82	82	80								
	CIRC. WATER OUT	86	86	90	91	92	84								
	L.O. TO COOLERS	110	110	118	118	112	115								
	L.O. FROM COOLERS	110	110	110	110	110	113								
	TEMPERATURE THRUST BEARING			116	110	110	113								
	FORWARD H.P. ROTOR BEARING			144	115	112	115								
	AFT. H.P. ROTOR BEARING			130	118	122	123								
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING			120	119	115	114								
	AFT. L.P. ROTOR BEARING			128											
	HOTTEST GEAR BEARING FORWARD											128	122	122	110
	HOTTEST GEAR BEARING AFT											121	118	125	109
	AUX. COND. CONDENSATE	3 4	112/112	112/112	113/113	110/110	112/112								
	1ST STAGE FEED WATER HEATER		102	102	102	142	102								
	D. C. FEED WATER HEATER		236	236	235	240	238								
	3RD STAGE FEED WATER HEATER														
	SUPER HEAT	P										660	645	690	
	F.O. TO BURNERS	P S	152	152	150 150	150	V	150							
PRESSURES	AIR TO FURNACE	P	112	112	114	115	A	117							
	F.O. TEMP. IN SETTLING TANKS	P S	105	105	104	104	102	106							
	PORT BOILER UPTAKE														
	STBD. BOILER UPTAKE														
	F. O. BACK PRESSURE		15	15	14	14	15	15							
	MAIN STEAM		450	450	150	460	450	450							
	F.O. TO BURNERS	P S	175	175	100 100	185	140	135							
	MAIN COND. SALINITY				.46/G			.46/G							
	ENGINE ROOM TEMPERATURE		94	94	96	95	98	96							
	FIRE ROOM TEMPERATURE		94	94	96	95	98	96							
TEMPERATURES	NOZZLES IN USE				Block Throat	Thrt									
	NO. OF BURNERS IN USE	P S	1	1	2	1	1	1							
	BURNER TIP SIZE	P S	51/55	51/55	51/55	51/55	51/55	60/53							
	CO ₂ % PORT BOILER														
	CO ₂ % STBD. BOILER														
	OIL LEVEL MAIN SUMP		2'11"	2'11"	2'11"	3'2"	3'1"	3'0"							

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL													
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED
1200 TO 1600	3	1200	450		8	142	124		60	1200	1200	230	10390/20	103550/10	57 10											
	4	1200	450		9.6	145	130		48	1200	1200	230														
1600 TO 2000	3	1200	450		8	142	124		60	1150	1150	230														
	4	1200	450		9.6	145	130		48	1150	1200	230														
2000 TO 2400	3	1200	450		8	141	124		61	1300	1300	230														
	4	1200	450		9.6	144	127		48	1300	1300	230														
2400 TO 0400	3	1200	460		8	140	124		61	1300	1300	230														
	4	1200	460		9.6	144	128		48	1300	1300	230														
0400 TO 0800	3	1200	450	690	8	140	124		61	1250	1300	230														
	4	1200	450	690	9.6	144	128		48	1200	1200	230														
0800 TO 1200	3	1200	450		8	141	123		61	1200	1200	230														
	4	1200	450		9.5	142	127		49	1200	1200	230														

LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4
SUMMARY					
RUNNING TIME		PROPELLED SLIP (%)			
DETENTION TIME		BBL FUEL/MI			
TOTAL REVOLUTIONS		WIND DIRECTION			
AVERAGE R.P.M.		STATE OF SEA			
TOTAL MILES BY ENGINE		STATE OF WEATHER			
TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

MACH. AS BEFORE #3 BLR SEC'D, WORKING ON TOP EX-HYD VALVE

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE CHANGED AND CLEANED F.O. BURNER AND DISCHARGE STRAINER. LIT OFF #3 BOILER @ 1830 ON LINE @ 1945

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY AS BEFORE EXCEPT.

TIME CHECK 22018 TEST TELEGRAPH. ROLL ENGINE WITH STEAM @ 2000. DEPARTURE @ 2224. P. CNTR-11661550 SCNTR-12153760. P-FOM. 3262190 S-FOM- 7124550. 65 RPM. B.O.B. OPEN L.P. BLEED.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

~~MACHINERY AS BEFORE EXCEPT.~~

TURN ⁹⁰ MACH AS BEFORE. GLANKED & CLEANED F.O. SUCT STRNR. SLIDED CLAP TO 3% DISCH. SUCT - AFTER PEAK. SLOWED TO 60 RPM @ 0018, & 55 RPM @ 0136 %OB. PUMPED SETTLERS FROM 2% TESTED OVERSPEED & LOW L.O. TRIP.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. TESTED AND COMPOUNDED #3, 4 BOILERS.

50 R.P.M. @ 0406 %OB BRIDGE. BELLS AS ENTERED IN BELL BOOK. ARRIVAL 0630 F.W.E 0753
P. CTR 11688020 P. CTR 11690880
S. CTR 12180410 S. CTR 12183240
P. FOM 3263470 P. FOM. 3263680
S. FOM 7125880 S. FOM. 7126050

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY IN OPERATION AS BEFORE EXCEPT.

JACKING GEAR IN. 15' STBY. B.O.B. CLEANED & CHANGED BURNERS. CLEANED #3 F.O. DISCH. STRAINER - EVAP. DISCH. #3% SUCT. #3%. CHIEF ENG. IN ENGINE ROOM 0800 - 0820. EVAP. DISCH TO AFTER PEAK @ 1122.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

(McHinnin stand oiler watch for Bill.)

BOILER WALL

SEED

FMS 636 HOURS 660

AHL 9.93 AHL 11.68

T-AHL 12.26 T-AHL 14.60

SAL. 4.14 SAL. 4.56

PHOS. 40 PHOS. 40

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
USNS		50		11a TRANSL				P2-82-R2		10/2-3/66	

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME			240	240	240	240	150					142	140	144		
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)				1169	1171	1174	1175					140	136	135		
TOTAL REVOLUTIONS (FOR WATCH)				8450	8450	1340	6390					112	112	110	110	
AVERAGE RPM				83.7	89.6	89.0	88.5					110	105	172	175	
F.O. METER (END OF WATCH)		1039	1039	1039	1039	1039	1039					238	238	237	238	
F.O. CONSUMED		480	580	1150	2770	2620	2240									
PRESSURES		THROTTLE			430	440	435							735	720	720
		H.P. AHEAD			420	440	430									720
		L.P. AHEAD			20	21	21									
		VACUUM		22.5	22.2	28.5	28.5	28.5								
		L.O. TO TURBINES		13.5	13.2	13.0	12.8	12.7								
		AUX. STEAM		150	150	150	150	160								
		BACK PRESSURE		9	9	9	9	9								
		GLAND STEAM		2.5	2.9	3.0	3.5	3.7								
		H.P. BLEEDER		-	-	75	70	78								
		I.P. BLEEDER		-	-	6	6	6								
TEMPERATURES		STEAM AT THROTTLE			735	720	720									
		L. P. EXHAUST		128	126	121	116	116								
		CONDENSATE		100	100	110	110	111								
		CIRC. WATER IN		82	82	82	82	82								
		CIRC. WATER OUT		85	86	94	95	95								
		L.O. TO COOLERS		112	110	122	124	124								
		L.O. FROM COOLERS		112	110	110	110	110								
		TEMPERATURE THRUST BEARING				113	113	112								
		FORWARD H.P. ROTOR BEARING				118	126	126								
		AFT. H.P. ROTOR BEARING				132	130	130								
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING			128	127	126									
		AFT. L.P. ROTOR BEARING			-	-	-									
		H. O. BACK PRESSURE				17	12									
		MAIN STEAM		460	450	450	450	460								
		F.O. TO BURNERS		140	145	135	110	110								
		MAIN COND. SALINITY				100	146									
		ENGINE ROOM TEMPERATURE		98	100	98	101	102								
		FIRE ROOM TEMPERATURE			100	98		102								
		NOZZLES IN USE			SEC	14	16	16								
		NO. OF BURNERS IN USE		P	1	1	3	3	3	3						
MISCELLANEOUS		BURNER TIP SIZE		P	53/60	53/60	53/60	53/60	53/60							
		CO. 1 PORT BOILER														
		CO. 2 STBD. BOILER														
		OIL LEVEL MAIN SUMP		3.3	3.2	3.2	3.5	3.3								
		H. O. BACK PRESSURE				17	12									
		MAIN STEAM		460	450	450	450	460								
		F.O. TO BURNERS		140	145	135	110	110								
		MAIN COND. SALINITY				100	146									
		ENGINE ROOM TEMPERATURE		98	100	98	101	102								
		FIRE ROOM TEMPERATURE			100	98		102								

		GENERATORS										FUEL - WATER AND LUBE OIL									
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		DOMESTIC WATER		DIESEL OIL			
1200 TO 1600	3	1200	460		8	140	124		61	1250	1250	230		METER AT NOON	10392960	ON HAND AT START OF DAY		ON HAND			
	4	1200	460		9.6	144	128		48	1250	1250	230		METER PREVIOUS NOON	10390120	EVAPORATED OR RECEIVED		CONSUMED			
1600 TO 2000	3	1200	450		8	140	124		61	1250	1250	230		CONSUMED BY METER	366270	ON HAND		ON HAND			
	4	1200	450		9.6	144	130		48	1200	1250	230		ON HAND AT START OF DAY	9840	CONSUMED		CONSUMED			
2000 TO 2400	3	1200	450		8	138	124		61	1200	1200	230		RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND			
	4	1200	450		9.6	144	137		48	1200	1200	230		EXPENDED DURING DAY		RECEIVED		RECEIVED			
2400 TO 0400	3	1200	460		8	140	124		61	1250	1250	230		REMAINING ON BOARD		ON HAND		ON HAND			
	4	1200	460		9.6	144	129		48	1250	1250	230		ON HAND AT START OF DAY		CONSUMED		CONSUMED			
0400 TO 0800	3	1200	450	720	8	140	124		62	1250	1250	230		EVAPORATED OR RECEIVED		ON HAND		ON HAND			
	4	1200	450	720	9.6	145	130		48	1150	1150	230		ON HAND		RECEIVED		RECEIVED			
0800 TO 1200	3	1200	450	735	8	140	124		61	1350	1350	230		CONSUMED		CONSUMED		CONSUMED			
	4	1200	450	735	9.6	145	131		48	1350	1350	230		LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)							

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4		4	4	4	4

SUMMARY			
RUNNING TIME		PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

1200-1600 WATCH

W/AG AS BEFORE.
PUMPED UP SETTLERS FROM 2 $\frac{1}{2}$ D.B.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. STEAM ON AND ROLLING MAIN UNIT
@ 1915 PERMISSION GRANTED FROM MR. JACKSON 2/O. #2 EVAP ON @ 1615

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY AS BEFORE EXCEPT!
TIME TEST + TEST TELEGRAPH @ 2018 - BELLS AS PER BELL BOOK.
CHIEF ENG. IN ENG RM. 2030 TO 2140 + 2300 TO 2310.
STBY @ 2148. P-CNTR-11691300 - S-CNTR-12183660. FOM.P-3264410 S-7126840
DEPT @ 2230 - P-CNTR-11692590 - S-CNTR-12184950 FOM.P-3264770 S-7126940
16 NOZZLES. #3 + 4 MAIN COND. PUMPS @ HALF SPEED.
TESTED STBY L.O. + FEED PUMPS.
W/AG AS BEFORE GLANKED #1 BURNER + F.E. SUCT STRNR
TESTED LOW L.O. TRIP + OVERSPEED TRIP
PUMPED UP SETTLERS FROM 2 $\frac{1}{2}$ D.B.

2400-0400 WATCH

CTR 11719960
W/AG AS BEFORE
GLANKED #2 BURNER + #4 F.E. STRNR

0400-0800 WATCH

0800-1200 WATCH

MACH. IN OPER. AS BEFORE EXCEPT.
BLEW TUBES #3 + 4 BOILERS. CLEAN #5 + 6 BURNERS + #3 F.O. DISCH.
STRAINER - TIME CHECK @ 0940. Arrived @ 1030 P-CNTR 11756390
S-CNTR-12250470 FOM.P-3268650 S-7131010. - 60 RPM @ 1030.
STBY @ 1130 - P-CNTR-11758700 S-CNTR-12252660 FOM'S P-3268790 S-7131150
BELLS AS PER BELL BOOK - 15' STBY.

CHIEF ENGINEER

BOILER ROOM

SPEED

RPM'S

AWL

T-AWL

SAL.

PHOS.

R.ph

FOM

HOURS 684

AWL

T-AWL

SAL.

PHOS.

R.ph

WATCH ENGR'S SIGNATURE-

WATCH ENGR'S SIGNATURE-

CHIEF ENGR'S SIGNATURE-

USNS Gen John Pope (TAP-110) VOYAGE NO. VUNG TAO FROM SAN JUAN TYPE OF VESSEL P2-G DATE 10/3-4 86

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		60	240	240	240	240				142	140	142	142
DETENTION TIME										134	135	135	131
REVOLUTION COUNTER (END OF WATCH)		11768 5189	1178 6230	1180 7710	1182 7240	1185 0240				126 116	110	110 110	110 113
TOTAL REVOLUTIONS (FOR WATCH)		4540	20050	19160	19530	22000			110	110	170	175	170
AVERAGE RPM		750	83.5	89.5	81.4	95.8			240	240	238	238	238
F.O. METER (END OF WATCH)		1240 0330	1040 1290	1040 3760	1040 6410	1040 8800							
F.O. CONSUMED		3/0	96.0	2470	2550	2390							
PRESSURES	THROTTLE		435	435	435	435							
	H.P. AHEAD	400	420	430	430	430							
	L.P. AHEAD	21	21	17	20.5	21							
	VACUUM	28.5	28.5	28.5	28.7	28.5							
	L.O. TO TURBINES	13	13	13	12.8	12.7							
	AUX. STEAM	150	150	150	150	150							
	BACK PRESSURE	9	9	9	9	9							
	GLAND STEAM	1.5	1.5	2.0	2.0	3							
	H.P. BLEEDER	92	92	74	70	66							
	L.P. BLEEDER	6	6	6	6	6							
TEMPERATURES	L.P. BLEEDER			12"	12"	12"							
	STEAM AT THROTTLE	700	700	719	725	725							
	L. P. EXHAUST	132	132	114	116	116							
	CONDENSATE	100	100	108	110	110							
	CIRC. WATER IN	82	82	82	82	82							
	CIRC. WATER OUT	88	88	94	94	94							
	L.O. TO COOLERS	112	112	124	124	124							
	L.O. FROM COOLERS	108	108	110	110	110							
	TEMPERATURE THRUST BEARING			113	114	113							
	FORWARD H.P. ROTOR BEARING			125	125	125							
TEMPERATURES	AFT. H.P. ROTOR BEARING			131	132	132							
	FORWARD L.P. ROTOR BEARING			127	126	126							
	AFT. L.P. ROTOR BEARING												
	MAIN COND. SALINITY												46/6
	ENGINE ROOM TEMPERATURE			102	102	102							102
	FIRE ROOM TEMPERATURE			102	102	102							102
	NOZZLES IN USE					16							16
	NO. OF BURNERS IN USE					3							3
	BURNER TIP SIZE					51/55							51/55
	CO ₂ % PORT BOILER												86 1/2%
TEMPERATURES	CO ₂ % STBD. BOILER												86 1/2%
	OIL LEVEL MAIN SUMP												
TEMPERATURES													

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																										
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED													
1200 TO 1600	3	1200	460	700	8	140	126		61	1250	1250	230	10816450	10792960	16490																								
	4	1200	460	700	9.6	145	132		48	1250	1250	230																											
1600 TO 2000	3	1200	450	700	8	140	126		61	1200	1250	230																											
	4	1200	450	700	9.6	145	132		48	1300	1300	230																											
2000 TO 2400	3	1200	450	719	8	140	124		61	1175	1175	230																											
	4	1200	450	719	9.6	146	131		48	1150	1150	230																											
2400 TO 0400	3	1200	460	725	8	140	124		61	1200	1200	230																											
	4	1200	460	725	9.6	146	131		48	1200	1200	230																											
0400 TO 0800	3	1200	450	725	8	140	124		62	1200	1200	230																											
	4	1200	450	725	9.6	146	130		48	1200	1200	230																											
0800 TO 1200	3	1200	450	720	8	140	124		61	1200	1200	230																											
	4	1200	450	720	9.6	145	131		48	1225	1225	230																											
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																																							
L.O. CENTRIFUGE - HOURS OPERATED																																							
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr><tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr></table>																												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	4	4	4	4	4	4
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200																																		
4	4	4	4	4	4																																		
SUMMARY																																							
RUNNING TIME												PROPELLER SLIP (%)																											
DETENTION TIME												BBL FUEL/MI																											
TOTAL REVOLUTIONS												WIND DIRECTION																											
AVERAGE R.P.M.												STATE OF SEA																											
TOTAL MILES BY ENGINE												STATE OF WEATHER																											
TOTAL MILES BY OBSERVATION																																							

1200-1600 WATCH

MACH AS BEFORE.
 PUMPED UP SETTLERS FROM 2^P D.B.
 TRANSFERRING OIL FROM 7P TO #4 DEEP STBD

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

SECURED TRANSFERRING F.O. @ 1615. OILED COUPLINGS
 ON #3, 4 MAIN FEED PUMPS. JACKING GEAR DISENGAGED AND STEAM
 STBY: 1815 DEPT: 1900 ON AND ROLLING MAIN UNIT @ 1700
 P. CTR: 11759140 P. CTR: 11760640 PERMISSION GRANTED FROM BRIDGE.
 S. CTR: 12253070 S. CTR: 12254470 BELLS AS ENTERED IN BELL BOOK.
 P. FOM: 3269210 P. FOM: 3269310 16 NOZZLES @ 1906 O/O BRIDGE.
 S. FOM: 7131450 S. FOM: 7131540

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPERATION AS BEFORE.
 CHANGE + CLEAN #5+6 BURNERS + #3 F.O. DISCH. STRAINER.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH AS BEFORE.
 SINGLE UP AIR EJECTORS & CONDENSATE PUMPS
 PUMPED SETTLERS FROM 2^P D.B.
 TESTED OVERSPEED & LOW L.O. TRIPS
 HELD ENG. CASUALTY DRILL C-7 AMONG WATCH PERSONNEL @ 0100-C/30

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE CHANGED AND CLEANED F.O.
 BURNER AND STRAINER. CLEANED AND INST. MAIN L.O. STRAINER. HELD
ENGINEERING CASUALTY DRILL "E-7" 0500-0530 4 MEN PRESENT. NOTIF. BR.
 TESTED AND COMPOUNDED #3, 4 BOILERS.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY IN OPERATION AS BEFORE.
 BLEW TUBES #3 + 4 BOILERS. CHANGED + CLEANED #5+6 BURNER + #3
 F.O. DISCH. STRAINER. HELD ENG. CASUALTY DRILL E-7. 4 MEN
PRESENT - BRIDGE NOTIFIED. WIT DOORS OPENED @ 1140. B.O.B.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER ROOM

STEAM 684 708

F.O. 1000

AIR 9.93 6.42

T-1 12.85 T-2 9.93

S.E. 3.73 S.W. 2.49

P.E.S. 30 P.E.S. 40

R.ph 30 R.ph 40

CHIEF ENGR'S SIGNATURE-

USNS	GEN. J POPE	VOYAGE NO.	SE	FROM	UUAL TAU	TO	SAN FRANCISCO	TYPE OF VESSEL	P2-S2 R2	DATE	10/4-5/66
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		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS	RUNNING TIME	240	240	220	220	220	240	TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	140	142	141	142	142	140
	DETENTION TIME								HOTTEST GEAR BEARING AFT	136	137	133	136	136	134
	REVOLUTION COUNTER (END OF WATCH)	1187	1189	1191	1193	1195	1197		AUX. COND. CONDENSATE	110	110	110	110	110	110
	TOTAL REVOLUTIONS (FOR WATCH)	26770	21260	19414	19530	19470	20900		1ST STAGE FEED WATER HEATER	160	170	174	175	175	174
	AVERAGE RPM	86.6	88.6	88.2	88.8	88.3	87.0		D. C. FEED WATER HEATER	238	238	238	238	238	238
	F.O. METER (END OF WATCH)	1041	1041	1041	1042	1042	1042		3RD STAGE FEED WATER HEATER						
	F.O. CONSUMED	2510	2510	2240	2440	2290	2590		SUPER HEAT	P 725	730	725	720	720	725
	THROTTLE	435	430	435	435	432	430		S 725	730	725	720	720	725	
	H.P. AHEAD	430	425	425	425	429	430		F.O. TO BURNERS	150	158	150	150	152	150
	L.P. AHEAD	17	20	20	20.5	20.5	21		AIR TO FURNACE	P 123	130	120	122	120	120
PRESSURES	VACUUM	28.7	28.5	28.5	28.6	28.5	28.5	TEMPERATURES	S 128	127	125	124	125	125	
	L.O. TO TURBINES	12.8	12.7	12.8	12.8	12.7	12.7		F.O. TEMP. IN SETTLING TANKS	P 104	107	104	104	104	106
	AUX. STEAM	150	150	150	150	150	150		S 100	100	100	94	95	94	
	BACK PRESSURE	9	9	9	9	9	9		PORT BOILER UPTAKE						
	GLAND STEAM	1.5	3	2.5	2.5	3	2.7		STBD. BOILER UPTAKE						
	H.P. BLEEDER	70	76	68	70	78	70		F. O. BACK PRESSURE		13	11		14	16
	I.P. BLEEDER	6	6	6	6	6	6		MAIN STEAM	460	450	450	460	450	460
	L.P. BLEEDER	12"	12"	12"	12"	12"	12"		F.O. TO BURNERS	P 110	105	105	105	110	110
	STEAM AT THROTTLE	725	730	725	720	720	725		S 110	105	95	95	100	100	100
	L. P. EXHAUST	115	114	114	115	114	114		MAIN COND. SALINITY		4.5/6	4.6/6		4.5/6	4.6/6
TEMPERATURES	CONDENSATE	109	110	110	110	111	111	MISCELLANEOUS	ENGINE ROOM TEMPERATURE	103	100	100	99	100	102
	CIRC. WATER IN	83	83	83	83	83	83		FIRE ROOM TEMPERATURE	103	100	100	99	100	102
	CIRC. WATER OUT	95	96	95	95	95	95		NOZZLES IN USE	16	16	16	16	16	16
	L.O. TO COOLERS	124	124	123	124	124	123		NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110	110		S 3	3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	114	114	112	113	113	113		BURNER TIP SIZE	P 5 1/55	5 1/55	5 1/55	5 1/55	5 1/55	5 1/55
	FORWARD H.P. ROTOR BEARING	126	126	125	126	126	124		S 5 1/55	5 1/55	5 1/55	5 1/55	5 1/55	5 1/55	5 1/55
	AFT. H.P. ROTOR BEARING	130	130	130	130	130	130		CO. & PORT BOILER		86 7/8				
	FORWARD L.P. ROTOR BEARING	126	126	126	126	126	126		CO. & STBD. BOILER		86 7/8				
	AFT. L.P. ROTOR BEARING								OIL LEVEL MAIN SUMP	3 5"			3 3"	3 1"	3 2"
									WATERHURST HP	1051	1051	1051	1051	1051	1051

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	3	1200	460	725	8	142	124		61	1250	1250	230	10426100	10416450	9650			
	4	1200	460	725	9.6	146	132		48	1250	1250	230						
1600 TO 2000	3	1200	450	730	8	142	124		62	1200	1250	230						
	4	1200	450	730	9.6	145	132		48	1150	1200	230						
2000 TO 2400	3	1200	450	725	8	140	124		61	1175	1175	230						
	4	1200	450	725	9.6	145	129		48	1175	1175	230						
2400 TO 0400	3	1200	460	720	8	140	124		61	1250	1250	230						
	4	1200	460	720	9.6	145	130		48	1250	1250	230						
0400 TO 0800	3	1200	450	720	8	140	124		61	1150	1200	230						
	4	1200	450	720	9.6	145	130		48	1150	1150	230						
0800 TO 1200	3	1200	450	725	8	140	124		61	1225	1225	230						
	4	1200	450	725	9.6	145	131		48	1225	1200	230						
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200								
4		4		4		4		4		4								
SUMMARY																		
RUNNING TIME												PROPELLER SLIP (%)						
DETENTION TIME												BBL FUEL/MI						
TOTAL REVOLUTIONS												WIND DIRECTION						
AVERAGE R.P.M.												STATE OF SEA						
TOTAL MILES BY ENGINE												STATE OF WEATHER						
TOTAL MILES BY OBSERVATION																		

REMARKS

1200-1600 WATCH

MACH. IN OPERATION: #3 & 4 (BLRS, F.D. FANS, F.O. PUMPS, W/N F.D. PUMPS, GENS, W/N COND PUMPS), W/N & AUX CIRCS, AIR COMP, W/N L.O. PUMP, PURIFIER, #4 PET WATER PUMP.
 CHANGED #3 BURNER
 PUMPED SETTLERS FROM 2¹/₃ & 4¹/₃ & DECK
 FIRE DRILL & STBY @ 1515, SEC'D FIRE DRILL @ 1529, BOAT DRILL @ 1530
 SEC FRM DRILL & 44 @ 1536

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED AND CLEANED
 #2 F.O. BURNER AND DISCH. STRAINER. BLEW TUBES IN #3, 4 BOILERS.
 TESTED AND COMPOUNDED #3, 4 BOILERS. 2 EVAP SECURED @ 1617

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY IN OPERATION AS BEFORE.
 CLEANED #5+6 BURNER & #3 F.O. DISCH. STRAINER. REMOVED SOOT
 BLOWER FORD'HAUL. ADVANCE CLOCK 20' @ 2300.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE
 CHANGED #4 BURNER & F.O. SUET STRNR.
 ADVANCED CLOCK 20 MINS @ 0104
 TESTED LOW L.O. & OVERSPEED TRIP
 PUMPED SETTLERS FROM 3¹/₃ D.B.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED AND
 CLEANED #1 F.O. BURNER AND DISCH. STRAINER. CLEANED MAIN L.O. STR.
 REPLACED SOOT BLOWER ON #3 BOILER. ADVANCED CLOCK 20 MIN @ 0500

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. IN OPER. AS BEFORE,
 BLEW TUBES #3 & 4 BOILERS. CHANGED & CLEANED #5+6 BURNERS
 AND #3 F.O. DISCH. STRAINER. TEST RUN L.O. & FEED STBY PUMPS.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER ROOM

SUMP FILL

F. 708 L. 732

A. 14.60 L. 14.60

T. 16.94 F. 17.52

SAL. 4.56 SAL. 4.14

PHOS. 50 PHOS. 40

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

USNS Gen J Pope (TA P110) VOYAGE NO. 5C FROM Vung Tau TO San Francisco TYPE OF VESSEL R2-S2-R2 DATE 10/5-6/66

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	245			140	142	140	140	140	142
DETENTION TIME										130	132	132	136	132	135
REVOLUTION COUNTER (END OF WATCH)		1199 2580	1201 3510	1203 4270	1205 5220	1207 6330	1209 7390			110	110	108 105	108	108 108	109 107
TOTAL REVOLUTIONS (FOR WATCH)		21040	20930	20760	20950	21110	21064			175	175	173	175	175	172
AVERAGE RPM		87.7	87.2	86.5	87.4	87.9	87.7			237	236	238	238	23	238
F.O. METER (END OF WATCH)		1042 8810	1043 1368	1043 3850	1043 6530	1043 9060	1044 1600								
F.D. CONSUMED		2210	2550	2490	2680	2530	2540								
PRESSURES	THROTTLE	435	435	435	435	435	435								
	H.P. AHEAD	430	430	430	430	430	430								
	L.P. AHEAD	21	21	21	21	21	21								
	VACUUM	28.6	28.5	28.6	28.6	28.6	28.6								
	L.O. TO TURBINES	12.8	12.7	12.8	12.8	12.7	12.8								
	AUX. STEAM	150	150	150	150	150	150								
	BACK PRESSURE	9	9	9	9	9	9								
	GLAND STEAM	2.5	2.6	2.4	2.5	2.5	2.4								
	H.P. BLEEDER	70	78	76	70	64	68								
	L.P. BLEEDER	6	6	6	6	6	6								
TEMPERATURES	L.P. BLEEDER	12"	12"	12"	12"	12"	12"								
	STEAM AT THROTTLE	725	720	723	723	715	723								
	L. P. EXHAUST	115	114	113	112	112	115								
	CONDENSATE	110	110	109	110	108	110								
	CIRC. WATER IN	82	82	80	82	82	82								
	CIRC. WATER OUT	95	95	93	95	94	95								
	L.O. TO COOLERS	123	124	121	124	124	124								
	L.O. FROM COOLERS	110	110	108	110	110	110								
	TEMPERATURE THRUST BEARING	113	113	113	113	113	113								
	FORWARD H.P. ROTOR BEARING	125	125	124	125	125	124								
TEMPERATURES	AFT. H.P. ROTOR BEARING	130	130	130	130	130	131								
	FORWARD L.P. ROTOR BEARING	126	125	124	126	126	128								
	AFT. L.P. ROTOR BEARING														

GENERATORS											FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	460	725	8	142	124		61	1250	1250	230	1044 1600			
	4	1200	460	725	9.6	145	131		48	1250	1250	230	1042 1600			
1600 TO 2000	3	1200	450	720	8	142	124		62	1250	1250	230	15500			
	4	1200	450	720	9.6	145	128		48	1200	1200	230				
2000 TO 2400	3	1200	450	720	8	140	121		61	1200	1200	230				
	4	1200	450	720	9.6	144	126		48	1175	1175	230				
2400 TO 0400	3	1200	460	723	8	139	122		61	1200	1200	230				
	4	1200	460	723	9.6	144	127		48	1200	1200	230				
0400 TO 0800	3	1200	450	715	8	140	122		61	1150	1200	230				
	4	1200	450	715	9.6	144	126		48	1200	1260	230				
0800 TO 1200	3	1200	450	723	8	146	122		61	1175	1200	230				
	4	1200	450	723	9.6	145	131		48	1175	1175	230				
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											L.O. CENTRIFUGE - HOURS OPERATED					
											1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
											4	4	4	4	4	4
											SUMMARY					
											RUNNING TIME		PROPELLER SLIP (%)			
											DETENTION TIME		BBL FUEL MI			
											TOTAL REVOLUTIONS		WIND DIRECTION			
											AVERAGE R.P.M.		STATE OF SEA			
											TOTAL MILES BY ENGINE		STATE OF WEATHER			
											TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

MACH. IN OPERATION: #3 & #4 (BURS, F.O. FANS, F.O. PUMPS, FEED PUMPS, W/A COAL PUMPS, GENS)
 W/A & AUX CIRCS, L.O. PUMP, PURIFIER, AIR COMP, #4 POT WATER PUMP.
 CHANGED & CLEANED #2 BURNER
 BLEW TUBES #3 & #4 BURS.
 PUMPED SETTLERS FROM 3P/S D.B.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #1 F.O. BURNER
 AND DISCH. STRAINER. TESTED AND COMPOUNDED #3, 4 BOILERS.
 W.T. DOORS CLOSED @ 1900.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY IN OPERATION AS BEFORE.
 CLEANED #5 & #6 BURNERS & #3 F.O. DISCH. STRAINER.
 REMOVED SOOT BLOWER FOR O'HAUL.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE
 CHANGED #4 BURNER & SUCT STRNR.
 PUMPED SETTLERS FROM 3P/S D.B.
 TESTED LOW L.O. & OVERSPEED TRIPS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
 CHANGED #2 BURNER AND SUCTION DISCHARGE STRAINER.
 REPLACED SOOT BLOWER.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. IN OPER. AS BEFORE.
 BLEW TUBES #3 & #4 BOILERS. CLEANED #5 & #6 BURNERS & #3 F.O. DIS. STRNR.
 PORT VENT. FAN SECURED FROM 0830 TO 0906.
 STBD VENT. FAN SECURED FROM 0910 TO 1057.
 STBD ELECT. CNTR. INOPERATIVE.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER

SEMP

F. 732 GENS 756

L. 14.60 H. 14.60

F. 17.52 H. 17.52

S. 4.56 H. 4.14

PHOS. 50 PHOS. 50

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

USNS Gen. J. P. ... (TAP 110) VOYAGE NO. 5C FROM Long Tau TO San Francisco TYPE OF VESSEL P2-S2-R2 DATE 10/6-7/66

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	240	240	240	240			141	144	145	144	144	144	
DETENTION TIME										138	136	135	136	136	134	
REVOLUTION COUNTER (END OF WATCH)		1211 9060	1214 1230	1216 1220	1218 1280	1220 7150	1222 8930			3 110	110 110	110 110	110	109 109	110 110	
TOTAL REVOLUTIONS (FOR WATCH)		21670	22170	20790	22040	21890	21780			179	180	175	176	175	173	
AVERAGE RPM		90.3	92.3	91.6	91.8	91.2	90.7			238	238	238	238	238	237	
F.O. METER (END OF WATCH)		1044 7430	1044 7250	1045 6160	1045 3150	1045 5990	1045 8820									
F.O. CONSUMED		2830	2820	2910	2990	2840	2830									
PRESSURES	THROTTLE	435	430	430	435	430	430			P	725	730	724	720	725	730
	H.P. AHEAD	430	425	425	430	425	425			S	725	730	724	720	725	730
	L.P. AHEAD	26	26	25	22	22	11			P	150	150	150	150	154	150
	VACUUM	28.6	28.5	28.5	28.6	28.5	28.5			S	150	150	150	150	154	150
	L.O. TO TURBINES	12.8	12.7	12.8	12.8	12.7	12.7			P	124	120	120	122	122	120
	AUX. STEAM	150	145	135	145	140	140			S	126	128	125	127	127	125
	BACK PRESSURE	9	8.2	9	9	9	9			P	103	103	101	104	101	105
	GLAND STEAM	30	3.5	3.2	3.2	2.5	2.4			S	94	94	95	90	90	90
	H.P. BLEEDER	70	70	70	70	86	74									
	I.P. BLEEDER	6	6	6	6	6	6									
	L.P. BLEEDER	12"	10"	10"	10"	10"	12"									
	TEMPERATURES	STEAM AT THROTTLE	725	730	724	720	725	730								
L. P. EXHAUST		114	114	112	112	114	112									
CONDENSATE		112	112	110	109	110	109									
CIRC. WATER IN		82	82	82	81	80	82									
CIRC. WATER OUT		95	95	94	94	94	94									
L.O. TO COOLERS		124	124	124	124	124	124									
L.O. FROM COOLERS		110	110	110	110	110	110									
TEMPERATURE THRUST BEARING		114	114	113	114	114	114									
FORWARD H.P. ROTOR BEARING		126	126	124	126	128	127									
AFT. H.P. ROTOR BEARING		132	132	132	132	132	132									
FORWARD L.P. ROTOR BEARING		130	130	128	134	132	128									
AFT. L.P. ROTOR BEARING																

REMARKS

1200-1600 WATCH

MACH. IN OPERATION: #3 & #4 (BURNERS, F.O. PUMPS, FEED PUMPS, F.D. FANS, LENS, MIN COND PUMPS)
 MIN & AUX CIRCS, AIR COMP, #4 POT W. PUMP.
 CHANGED #4 BURNER
 PUMPED SETTLERS FROM 3RD D.B.
 BLEW TUBES #3 & #4 BURNERS
 SPD UP TO 18 NOZZLES @ 13.5

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED AND CLEANED
 #1 F.O. BURNER AND DISCH. STRAINER. TESTED AND COMPOUNDED #3, 4
 BOILERS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY IN OPER. AS BEFORE.
 CHANGED & CLEANED #5 BURNER & #3 F.O. DISCH. STRAINER
 REMOVED RAG FROM STBD. SHAFT ALLEY SUCTION. PUMPED BILGES.
 #2 EVAP. LIT OFF @ 2100. USE FIRE HOSE TO REMOVE RAGS FROM
 STBD. SHAFT ALLEY BILGE SUCTION.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE
 CHANGED #4 BURNER & F.O. SUCT. STRAINER
 PUMPED SETTLERS FROM #3RD D.B.
 TESTED LOW L.O. & OVERSPEED TRIPS

WATCH ENGR'S SIGNATURE-

CTR 12185260

0400-0800 WATCH

MACHINERY AS BEFORE. CHANGED #2 F.O. BURNER AND DISCH.
 STRAINER. CLEANED MAIN L.O. STRAINER. REPLACED SOOT BLOWER ON
 #4 BOILER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. IN OPERATION AS BEFORE.
 BLEW TUBES #3 & #4 BOILERS. CHANGED & CLEANED #6 BURNER & #3
 F.O. DISCH. STRAINER. BLOW OUT FOREIGN MATERIAL WITH FIRE HOSE,
 FROM STBD. SHAFT ALLEY BILGE SUCTION.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

FOUNDER WATER PUMP

S.M.D. P.M.D.

F. 756 HOURS 780

A.M. 14.02 M.M. 14.02

F. 16.94 P.M. 15.94

S.M. 3.73 S.M. 4.14

P.M.S. 40 P.M.S. 50

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TYPE OF VESSEL		DATE									
Lew J Port (TGP.110)		50		VUNK TAU (ROVU)		SAN FRANCISCO, CAL		10/7-8/66									
		WATCH						WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		140	144	145	143	144	143
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		136	136	135	136	136	135
REVOLUTION COUNTER (END OF WATCH)		1225 0910	1227 3080	1229 4990	1231 6980	1233 8820	1236 0540	AUX. COND. CONDENSATE		3 4	110	110	110	110	110	110	110
TOTAL REVOLUTIONS (FOR WATCH)		21980	22170	21910	21990	21840	21720	1ST STAGE FEED WATER HEATER			173	175	175	178	180	176	
AVERAGE RPM		91.6	92.3	91.0	91.6	91.0	90.5	O. C. FEED WATER HEATER			240	238	239	238	238	238	
F.O. METER (END OF WATCH)		1046 1750	1046 4550	1046 7280	1047 0216	1047 2990	1047 5320	3RD STAGE FEED WATER HEATER									
F.O. CONSUMED		2730	2800	2730	2730	2780	2830	SUPER HEAT		P	735	730	730	728	730	721	
		430	430	435	435	430	430			S	735	730	730	728	730	721	
H.P. AHEAD		425	425	425	425	425	425	F.O. TO BURNERS		P S	150	140 154	150 150	150	150 150	150 150	
L.P. AHEAD		25	25	26	26	25	26	AIR TO FURNACE		P S	122	120	120	120	118	120	
VACUUM		28.7	28.5	28.5	28.6	28.5	28.5			S	128	128	125	127	126	125	
L.O. TO TURBINES		12.8	12.7	12.8	12.8	12.7	12.7	F.O. TEMP. IN SETTLING TANKS		P S	103	103	103	102	102	102	
AUX. STEAM		140	140	140	140	140	140			S	92	92	92	93	95	94	
BACK PRESSURE		9	9.0	9	9	9	9	PORT BOILER UPTAKE									
GLAND STEAM		30	3.5	3.3	3.5	3.2	3.4	STBD. BOILER UPTAKE									
H.P. BLEEDER		70	86	74	70	84	70	F. O. BACK PRESSURE			14	12	15	15	13	12	
I.P. BLEEDER		6	6	6	6	6	6	MAIN STEAM			460	450	460	460	450	450	
L.P. BLEEDER		12"	12"	11"	11"	12"	10"	F.O. TO BURNERS		P S	125 125	130 110	125 115	125 125	130 115	135 115	
STEAM AT THROTTLE		735	730	730	728	730	721	MAIN COND. SALINITY				.4	.4	.4		.4	
L. P. EXHAUST		114	114	114	113	114	114	ENGINE ROOM TEMPERATURE			101	100	100	98	98	102	
CONDENSATE		110	111	110	110	111	111	FIRE ROOM TEMPERATURE			101	100	100	98	98	102	
CIRC. WATER IN		80	80	80	80	80	80	NOZZLES IN USE			18	18	18	18	18	18	
CIRC. WATER OUT		94	94	94	94	9	94	NO. OF BURNERS IN USE		P S	3	3	3	3	3	3	
L.O. TO COOLERS		124	124	124	124	124	124			S	3	3	3	3	3	3	
L.O. FROM COOLERS		110	110	110	110	110	110	BURNER TIP SIZE		P S	5/55	5/55	5/55	5/55	5/55	5/55	
TEMPERATURE THRUST BEARING		114	114	114	114	114	113			S	5/55	5/55	5/55	5/55	5/55	5/55	
FORWARD H.P. ROTOR BEARING		127	124	124	124	122	124	CO ₂ % PORT BOILER							86.4/10		
AFT. H.P. ROTOR BEARING		132	132	132	132	132	132	CO ₂ % STBD. BOILER							85.2/10		
FORWARD L.P. ROTOR BEARING		128	130	128	128	125	127	OIL LEVEL MAIN SUMP			3.3	3'1"	3'1"	3'1"	3'0"	3'1"	
AFT. L.P. ROTOR BEARING								THRU		HP LP	0.51 1.35	0.51 1.35	0.51 1.35	0.51 1.35	0.51 1.35	0.51 1.35	

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL										
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED
1200 TO 1600	3	1200	460	735	8	146	122		61	1250	1250	230	10475820	10458820	10441600								
	4	1200	460	735	9.7	145	129		48	1250	1250	230											
1600 TO 2000	3	1200	450	730	8	140	122		62	1200	1250	230											
	4	1200	450	730	9.6	145	126		48	1200	1250	230											
2000 TO 2400	3	1200	460	730	8	139	121		61	1175	1200	230											
	4	1200	460	730	9.6	144	125		48	1175	1200	230											
2400 TO 0400	3	1200	460	728	8	139	121		61	1200	1200	230											
	4	1200	460	728	9.6	143	124		48	1200	1200	230											
0400 TO 0800	3	1200	450	730	8	140	122		61	1150	1150	230											
	4	1200	450	730	9.6	144	124		48	1150	1200	230											
0800 TO 1200	3	1200	450	721	8	139	121		61	1175	1200	230											
	4	1200	450	721	9.6	144	126		48	1200	1225	230											
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													L.O. CENTRIFUGE - HOURS OPERATED										
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
													4	4	3	4	4	4					
SUMMARY																							
RUNNING TIME													PROPELLER SLIP (%)										
DETENTION TIME													BBL FUEL MI										
TOTAL REVOLUTIONS													WIND DIRECTION										
AVERAGE R.P.M.													STATE OF SEA										
TOTAL MILES BY ENGINE													STATE OF WEATHER										
TOTAL MILES BY OBSERVATION																							

REMARKS

1200-1600 WATCH

W/AGT IN OPERATION: #3 & #4 (BURNERS, FEED PUMPS, F.O. FANS, F.O. PUMPS, GGNS, H/N COND PUMPS)
 AIR COMP, #4 POTABLE PUMP, H/N L.O. PUMP, PURIFIER
 CHANGED #2 BURNER
 PUMPED SETTLERS FROM 2P & 3P D.B.
 COLLISION DRILL & STBY @ 1514 END OF DRILL & LL 1536

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. BLEW TUBES IN #3, 4 BOILERS.
 CHANGED AND CLEANED #1 F.O. BURNER AND DISCHARGE STRAINER.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPERATION AS BEFORE.
 CHANGED AND CLEANED #5 BURNER AND #3 F.O. DISCH. STRAINER
 PUMPED BILGES REMOVED SOOT BLOWER FOR O'HAUL.
 SWITCHED SETTLERS @ 2150. CLEANED PURIFIER.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

W/AGT AS BEFORE.
 CHANGED #4 BURNER & F.O. SUCT STRNR.
 PUMPED SETTLERS FROM 3P & 1P D.B.
 TESTED OVERSPEED & LOW L.O. TRIPS
 HELD ENG. CASUALTY C-8 @ 0130-0135 AMONG WATCH PERSONNEL

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #2 F.O. BURNER
 AND DISCH. STRAINER. REPLACED #1 SOOT BLOWER ON #3 BOILER.
 HELD ENG. CAS. DRILL E-8, 4 MEN PRESENT, NOTIFIED BRIDGE.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY IN OPERATION AS BEFORE.
 BLEW TUBES #3 & #4 BOILERS. CHANGED & CLEANED #1 BURNER &
 #3 F.O. DISCH. STRAINER. HELD ENGINEERING CASUALTY DRILL E-8.
 BRIDGE NOTIFIED, 4 MEN PRESENT 0900 TO 0930.
 REPAIR GAGE LINE TO FIRE MAIN.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER ROOM

SEED #3	SEED #4
78C	804
14.02	13.43
17.52	16.94
3.73	4.14
PHOS. 40	PHOS. 40
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

1200-1600 WATCH

MACH. IN OPERATION: #3 & 4 (BLRS, F.O. PUMPS, FEED PUMPS, F.D. FANS, L.O.S., M/N COND PUMPS)
 M/N & AUX CIRC'S, AIR COMP, PURIFIER, M/N L.O. PUMP, #4 HOT WATER PUMP.
 CHANGED #2 BURNER
 BLEW TUBES #3 & 4 BLRS.
 CLEANED L.O. PURIFIER
 PUMPED SETTLERS FROM 1 1/2 D.B.

GTR 12382390

1600-2000 WATCH

WATCH ENGR'S SIGNATURE

MACHINERY AS BEFORE CHANGED AND CLEANED #1 F.O. BURNER
 AND DISCH. STRAINER. CHANGED LEAKING INBOARD GAUGE GLASS ON
 #3 BOILER. LIGHTING CIRCUIT 7 OUT @ 1830.

2000-2400 WATCH

WATCH ENGR'S SIGNATURE

MACH. IN OPER. THE SAME,
 CHANGED & CLEANED #5 BURNER & #3 F.O. DISCH. STRAINER.
 TEMP. REPAIR #7 LIGHT SWITCH.
 REMOVED SOOT BLOWER FOR REPAIR.
 PUMPED BILGES.

2400-0400 WATCH

WATCH ENGR'S SIGNATURE

MACH. AS BEFORE
 TESTED TURBINE TRIPS
 PUMPED SETTLERS FROM 7 1/2 D.B.
 CHANGED #4 BURNER & SUCT STRNR.

0400-0800 WATCH

WATCH ENGR'S SIGNATURE

MACHINERY AS BEFORE CHANGED AND CLEANED #2 F.O. BURNER
 AND DISCH. STRAINER. CLEANED AND INST. MAIN L.O. STRAINER.
 REPLACED SOOT BLOWER. GREASED MAIN THROTTLES AND #3, 4
 MAIN FEED PUMPS. TESTED AND COMPOUNDED #3, 4 BOILERS.

0800-1200 WATCH

WATCH ENGR'S SIGNATURE

MACH. IN OPER. AS BEFORE.
 BLEW TUBES #3 & 4 BOILERS. CHANGE & CLEANED #6 BURNER & #3 F.O. DISCH.
 STRAINER. CHIEF ENG. IN ENGINE ROOM 0850-0905
 SWITCHED TO OUTBD. SETTLER @ 1010. - 21'.
 #3 & 4 MAIN COND. PUMPS RPM. LOW 1200 HIGH 1700.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE

PORT BOILER ECONOMIZER LEAK

BOILER WATER REL.

SEMP FIVE

F 804 BURS 828

ALL 14.60 AND 12.26

T-17.52 T-AXL 15.18

SAL. 4.56 SAL. 3.73

PHOS. 40 PHOS. 40

R-1 70 R-2 65

CHIEF ENGR'S SIGNATURE

USNS Ben J Pope (T-EP-10) VOYAGE NO. Se FROM Luna Bay TO SAN FRANCISCO TYPE OF VESSEL P2-S2-R2 DATE 10/9-10/66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	220	220	220	240			HOTTEST GEAR BEARING FORWARD		143	144	144	143	144	143	
DETENTION TIME										HOTTEST GEAR BEARING AFT		136	135	135	136	135	135	
REVOLUTION COUNTER (END OF WATCH)		1251 4620	1253 6830	1255 6970	1257 7200	1259 7460	1261 9420			AUX. COND. CONDENSATE		3 110	110 110	110 110	110 110	110 110	110 128	
TOTAL REVOLUTIONS (FOR WATCH)		22220	22210	20140	20230	20260	21960			1ST STAGE FEED WATER HEATER		179	180	176	179	176	176	
AVERAGE RPM		92.6	92.5	91.5	91.9	92.1	91.9			D. C. FEED WATER HEATER		238	238	238	238	238	238	
F.O. METER (END OF WATCH)		1049 6380	1049 9440	1050 2260	1050 5290	1050 8050	1051 0990			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		3300	3060	2820	3030	2760	2940											
PRESSURES	THROTTLE	430	430	430	430	430	430			SUPER HEAT		P	120	715	725	715	715	725
	H.P. AHEAD	425	425	425	425	425	425					S	720	715	725	715	715	725
	L.P. AHEAD	26	26	26	26	26	26			F.O. TO BURNERS		P	150	152	150	150	154	150
	VACUUM	28.5	28.5	28.5	28.5	28.5	28.5					S	150	152	150	150	152	150
	L.O. TO TURBINES	12.5	13	12.5	12.5	12.7	13			AIR TO FURNACE		P	120	116	118	118	116	116
	AUX. STEAM	135	135	135	135	135	135					S	126	125	125	124	125	125
	BACK PRESSURE	9	9	9	9	9	9			F.O. TEMP. IN SETTLING TANKS		P	102	100	101	102	102	106
	GLAND STEAM	30	3.5	3.2	3.5	3.6	3.5					S	94	95	95	90	100	99
	H.P. BLEEDER	70	58	64	70	54	64			PORT BOILER UPTAKE								
	I.P. BLEEDER	6	6	6	6	6	6			STBD. BOILER UPTAKE								
L.P. BLEEDER	11"	11"	10"	10"	10"	10"			F. O. BACK PRESSURE			14	12	15	15	13	17	
TEMPERATURES	STEAM AT THROTTLE	720	715	725	715	715	725			MAIN STEAM		P	460	450	45	460		450
	L. P. EXHAUST	114	114	114	114	114	114			F.O. TO BURNERS		S	150	150	155	150	150	135
	CONDENSATE	110	110	110	111	112	110						150	150	150	150	150	116
	CIRC. WATER IN	80	80	79	80	80	80			MAIN COND. SALINITY				.4	.4		.4	.4
	CIRC. WATER OUT	94	94	94	94	94	94			ENGINE ROOM TEMPERATURE			100	99	99	99	98	100
	L.O. TO COOLERS	124	124	124	124	124	124			FIRE ROOM TEMPERATURE			100	99	99	99	98	100
	L.O. FROM COOLERS	110	110	110	110	110	110			NOZZLES IN USE			18	18	18	18	18	18
	TEMPERATURE THRUST BEARING	114	114	114	114	114	114			NO. OF BURNERS IN USE		P	3	3	3	3	3	3
	FORWARD H.P. ROTOR BEARING	125	125	123	124	124	124					S	3	3	3	3	3	3
	AFT. H.P. ROTOR BEARING	132	132	132	130	130	132			BURNER TIP SIZE		P	51/55	51/55	51/55	51/55	51/55	51/55
FORWARD L.P. ROTOR BEARING	130	128	127	128	128	128					S	51/55	51/55	51/55	51/55	51/55	51/55	
AFT. L.P. ROTOR BEARING									CO ₂ % PORT BOILER							86.3%		
									CO ₂ % STBD. BOILER							86.3%		
									OIL LEVEL MAIN SUMP			3.3	3.1"	3.0	3.0	3.0"	3.0	
									TUB. W. LEAK			4.5	4.5	4.5	4.5	4.5	4.5	

1200-1600 WATCH

MACH IN OPERATION: #3 & 4 (BURN, F.D. FANS, F.O. PUMPS, FEED PUMPS, LENS, W/N COND PUMPS)
 W/N & AUX CIRC, AIR COMP, W/N L.O. PUMP, PURIFIER
 CHANGED #2 BURNER
 BLEW TUBES #3 & 4 BURNERS
 PUMPED SETTLERS FROM 7 1/2 D.B.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #1 F.O. BURNER
 AND DISCH. STRAINER. OVERHAULED GAUGE GLASS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY IN OPERATION AS BEFORE.
 CHANGED & CLEANED #5 BURNER & #3 F.O. DISCH. STRAINER.
 SET CLOCK AHEAD 20' AT 2300.
 PUMPED BILGES - REMOVED SOOT BLOWER FOR O'HAUL.
 SWITCHED TO INBOARD SETTLER @ 2200 - 22'.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH AS BEFORE.
 CHANGED #4 BURNER & SUET STRNR.
 SET CLOCKS AHEAD 20 MINS @ 0106
 PUMPED SETTLERS FROM 4 1/2 D.B.
 TESTED TURBINE TRIPS
 GLANKED OVER & EXAMINED W/N L.O. STRNR FOR FOREIGN MATTER

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
 CHANGED #2 F.O. BURNER AND STRAINER.
 ADVANCED CLOCK 20 MIN. @ 0500
 INSTALLED SOOT BLOWER.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY IN OPERATION AS BEFORE.
 BLEW TUBES #3 & 4 BURNERS. CHANGED & CLEANED #6 BURNER
 & #3 F.O. DISCH. STRAINER. CHANGED TO OUTBD SETTLE @ 1045.
 TEST RUN STBY FEED & L.O. PUMPS. INTALL L.P. DRAIN REACH ROD PIN.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STE'D	PORT
HOURS 828	HOURS 852
AKL 12.26	AKL 13.43
T-ALK 15.18	T-AKL 16.75
SAL. 4.56	SAL. 4.14
PHOS. 40	PHOS. 40
R-ph 50.63	R-ph 50.61

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Ben J Pope (79 P110)		SC		LUNL TAU		San Francisco		PZ-SZ-RZ		10/10-11/66	
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
MACH. PARTICULARS (CONT'D)											
TEMPERATURES (CONT'D)											
HOTTEST GEAR BEARING FORWARD143144145143144145											
HOTTEST GEAR BEARING AFT136135136136135135											
AUX. COND. CONDENSATE34110110108106106108											
1ST STAGE FEED WATER HEATER177178176175180175											
D. C. FEED WATER HEATER238238237238238238											
3RD STAGE FEED WATER HEATER											
SUPER HEATP720725719720725717											
S720725719720725717											
F.O. TO BURNERSP150156150150156150											
AIR TO FURNACEP122116116115114116											
S126125125124122125											
F.O. TEMP. IN SETTLING TANKSP102102102102102102											
S97989790100100											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
F. O. BACK PRESSURE151311111417											
MAIN STEAM460450450460450460											
F.O. TO BURNERSP125125145145140140											
S125125110110100100											
MAIN COND. SALINITY0/3.4.4.4											
ENGINE ROOM TEMPERATURE969698969698											
FIRE ROOM TEMPERATURE989698969698											
NOZZLES IN USE181818181818											
NO. OF BURNERS IN USEP333333											
S333333											
BURNER TIP SIZEP51/5551/5551/5551/5551/55											
S51/5551/5551/5551/5551/55											
CO2 % PORT BOILER											
CO2 % STBD. BOILER											
OIL LEVEL MAIN SUMP3.23'0"3'1"3'1"3'0"3'1"											
71/23 THROST L.P.135135135135135135											
MACHINERY PARTICULARS											
PRESSURES											
THROTTLE430430430430430435											
H.P. AHEAD425425425425420425											
L.P. AHEAD262626262526											
VACUUM28.528.528.528.528.528.5											
L.O. TO TURBINES12.512.712.812.812.712.8											
AUX. STEAM140135135135135135											
BACK PRESSURE999999											
GLAND STEAM3.53.63.63.53.63.6											
H.P. BLEEDER707472707070											
I.P. BLEEDER666666											
L.P. BLEEDER11"10"10"10"10"10											
TEMPERATURES											
STEAM AT THROTTLE720725719720725717											
L.P. EXHAUST113114114114112112											
CONDENSATE110110110108106108											
CIRC. WATER IN797977767678											
CIRC. WATER OUT949494929292											
L.O. TO COOLERS124124124124124124											
L.O. FROM COOLERS110110110110110110											
TEMPERATURE THRUST BEARING113114114114114114											
FORWARD H.P. ROTOR BEARING124124124124124123											
AFT. H.P. ROTOR BEARING132132132132132131											
FORWARD L.P. ROTOR BEARING128128128128126128											
AFT. L.P. ROTOR BEARING											
GENERATORS											
WATCH											
GENERATOR NUMBERR.P.M.STEAM PRESSURESTEAM TEMP.L.O. PRESSUREL.O. TO COOLERL.O. FROM COOLERTEMP. OF HOTTEST BEARINGL.O. GOVERNOR PRESSUREAMPS POSITIVEAMPS NEGATIVEVOLTS											
1200 TO 1600											
31200460720813812061950950230											
412004607209.614212249950950230											
1600 TO 2000											
3120045072581381286110001050230											
412004507259.61421224910001050230											
2000 TO 2400											
3120045071981371166110251000230											
412004507199.71411214810501000230											
2400 TO 0400											
3120046072081361156111001100230											
412004607209.71401214811001100230											
0400 TO 0800											
3120045072581361156110501100230											
412004507259.91401224810001050230											
0800 TO 1200											
3120046071981381206110001000230											
412004607199.71421224810001000230											
FUEL - WATER AND LUBE OIL											
METER AT NOON10527620											
METER PREVIOUS NOON10510990											
CONSUMED BY METER16630											
ON HAND AT START OF DAY											
RECEIVED DURING DAY											
EXPENDED DURING DAY											
REMAINING ON BOARD											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
ON HAND AT START OF DAY											
RECEIVED											
ON HAND											
CONSUMED											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
RECEIVED											
CONSUMED											
LOW PRESS. EVAPORATORS (No. of hrs. operated; Fresh water made gals.)											
L.O. CENTRIFUGE - HOURS OPERATED											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
444444											
SUMMARY											
RUNNING TIME											
DETENTION TIME											
TOTAL REVOLUTIONS											
AVERAGE R.P.M.											
TOTAL MILES BY ENGINE											
TOTAL MILES BY OBSERVATION											
PROPELLER SLIP (%)											
BBL FUEL/MI											
WIND DIRECTION											
STATE OF SEA											
STATE OF WEATHER											

1200-1600 WATCH

MACH. AS BEFORE.
 CHANGED #2 BURNER
 BLEW TUBES #3 & #4 BURS
 PUMPED SETTLERS FROM 4 P.D.B.
 PUT WATER IN 7 P.D.B. FOR 10 mins

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE.
 CHANGED AND CLEANED #2 BURNER AND DISCH. STRAINER.
 TOOK UP ON LEAKING GLANDS

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE.
 CHANGED & CLEANED #5 BURNER & #3 F.O. DISCH. STRAINER.
 REMOVED SOOT BLOWER FOR O'HADL.
 SET CLOCK AHEAD 20' AT 2300.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE.
 CHANGED #4 BURNER & SUCT STRNR.
 ADVANCED CLOCK 20 mins @ 0035
 TESTED TURBINE TRIPS
 PUMPED SETTLERS FROM 1/2 D.B.
 STRIPPED OUT 7 P.D.B. THROUGH O & W SCD BY-HISS
 HELD CASUALTY DRILL E-9 @ 0130-0140

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
 CHANGED #2 F.O. BURNER AND DISCH. STRAINER.
 ADVANCED CLOCK 20 MIN @ 0500
 HELD ENG. CASUALTY DRILL E-9 0500-0530 4 MEN PRESENT, BRIDGE NOTIF.
 CLEANED AND INSPECTED MAIN L.O. STRAINER.
 WORKED ON SOOT BLOWER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE - COMPLETE INSTALLATION OF SOOT BLOWER.
 BLEW TUBES #3 & #4 BOILERS. CHANGED & CLEANED #6 BURNER &
 #3 F.O. DISCH. STRAINER. HELD ENG. CASUALTY DRILL E-9 - 0900 TO 0930
 4 MEN PRESENT. BRIDGE NOTIFIED. REMOVED #3 BOILER ECONOM.
 COVER-TUBE LEAKING. STBY. FIRE DRILL @ 1015 SEC'D FROM FIRE
 DRILL & @ 1038. BOAT DRILL @ 1038. SEC'D FROM DRILLS @ 1045 & 11
 SEA CLEAN IN #7 PORT D.B. @ 1120
 AUX. EXHAUST TO ATMOSPHERE RELIEF VALVE LEAKING.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
852	876
13.43	9.34
15.77	11.68
3.31	40 2.07
40	40
50, 60	51

CHIEF ENGR'S SIGNATURE-

USNS GENERAL JOHN POPE VOYAGE NO. 5C FROM VUNG TAY (ROVN) SAN FRANCISCO CAL TYPE OF VESSEL P2-S2-R2 DATE 10/11-12/66

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	240	240	240	240			143	146	144	143	144	145	
DETENTION TIME										136	135	136	135	135	137	
REVOLUTION COUNTER (END OF WATCH)		1216 9310	1279 1650	1281 3212	1283 4450	1285 8110	1287 9740			105	104	102	102	102	100	
TOTAL REVOLUTIONS (FOR WATCH)		22410	22340	22260	23390	23660	21680			177	176	175	176	175	175	
AVERAGE RPM		93.4	93.1	92.7	93.3	98.5	90.3			238	238	238	238	238	237	
F.O. METER (END OF WATCH)		1053 0640	1053 3440	1053 6120	1053 9040	1054 1800	1054 4350									
F.O. CONSUMED		3020	2800	2730	2870	2760	2570									
PRESSURES	THROTTLE	430	435	435	435	430	435	TEMPERATURES	HOTTEST GEAR BEARING FORWARD							
	H.P. AHEAD	425	425	425	425	425	425		HOTTEST GEAR BEARING AFT							
	L.P. AHEAD	26	26	26	26	26	26		AUX. COND. CONDENSATE	3						
	VACUUM	28.7	28.5	28.5	28.7	28.5	28.5		1ST STAGE FEED WATER HEATER	4						
	L.O. TO TURBINES	12.8	12.7	12.7	12.8	12.5	12.6		D. C. FEED WATER HEATER							
	AUX. STEAM	135	135	135	135	130	135		3RD STAGE FEED WATER HEATER							
	BACK PRESSURE	9	9	9	9	9	9									
	GLAND STEAM	3.0	3.5	3.2	3.4	3.2	3.2									
	H.P. BLEEDER	70	70	70	70	70	70									
	L.P. BLEEDER	6	6	6	6	6	6									
L.P. BLEEDER	11"	10"	10"	10"	10"	10"										
TEMPERATURES	STEAM AT THROTTLE	720	720	719	720	730	720	PRESSURES	SUPER HEAT	P	720	720	717	720	730	720
	L. P. EXHAUST	112	110	106	107	106	104		S	720	720	717	720	730	720	
	CONDENSATE	106	106	102	103	103	102		F.O. TO BURNERS	P	150	152	150	150	152	150
	CIRC. WATER IN	75	75	72	72	72	70		S	118	116	112	113	110	108	
	CIRC. WATER OUT	91	90	86	86	86	84		AIR TO FURNACE	P	123	124	120	118	118	120
	L.O. TO COOLERS	124	124	122	124	124	120		S	104	102	100	96	98	96	
	L.O. FROM COOLERS	110	110	110	110	110	107		F.O. TEMP. IN SETTLING TANKS	P	92	92	90	91	94	91
	TEMPERATURE THRUST BEARING	114	114	110	112	113	110		S	92	92	90	91	94	91	
	FORWARD H.P. ROTOR BEARING	124	126	126	124	124	123		PORT BOILER UPTAKE							
	AFT. H.P. ROTOR BEARING	132	134	132	132	132	132		STBD. BOILER UPTAKE							
FORWARD L.P. ROTOR BEARING	128	128	127	128	128	127										
AFT. L.P. ROTOR BEARING																
MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		

THRU THRUST 135

1200-1600 WATCH

MAG IN OPERATION: #3 & #4 (BURS, F.D. FANS, F.O. PUMPS, FEED PUMPS, GENS, W/N COND PUMPS)
 AIR COMP, W/N & AUX CIRC, PURIFIER, W/N L.O. PUMP, #4 POTABLE WATER PUMP.
 PUMPED SETTLERS FROM 4th D.B.
 PUT 3' SALT WATER IN 7P D.B., HEAT ON
 SHIFTED LOAD #3 GEN TO FWD E.R. @ 1535

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE.
 CHANGED AND CLEANED #1 F.O. BURNER AND STRAINER.
 BLEW TUBES IN #3, 4 BOILERS.
 SECURED #3 GENERATOR @ 1800.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACHINERY AS BEFORE.
 INSPECT DRIVE-DRIVEN GEARS #3 GEN - (CONDITION GOOD). INSPECT NOZZLES
 REMOVE HEADS - ROD OUT & AIR BLOW L.O. COOLER #3 GEN - RENEW ZINKS.
 REMOVE SOOT BLOWER FOR O'HALL

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MAG AS BEFORE.
 CHANGED #2 BURNER & SOOT STNR.
 PUMPED SETTLERS FROM 4th D.B.
 GRAVITATED WATER TO 7S D.B.
 TESTED TURBINE TRIPS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
 CHANGED #2 BURNER AND DISCH. STRAINER.
 CLEANED AND INSPECTED MAIN L.O. STRAINER.
 TESTED AND COMPOUNDED #3, 4 BOILERS
 INSTALLED SOOT BLOWER.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

BLEW TUBES #3 & #4 BOILERS. CHANGED #6 BURNER & #3
 F.O. DISCH. STRAINER. PURIFY OIL FROM #3 GEN. TO MAIN SUMP.
 CLEAN PURIFIER. INSPECT & CLEAN L.O. SUMP #3 GEN.
 ELECT'S CLEANING ELECTRICAL END.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
EGRS 876	HOURS 900
AKL 12.26	AKL 12.26
T-15.18	T-AKL 15.18
SAL. 4.56	SAL. 4.14
PHOS. 40	PHOS. 40
R-ph 50, 55	R-ph 50, 58

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE						
GENERAL JOHN POPE		SE		UNCL TAU		SAN FRANCISCO		P2-S2-R2		10/12-13/66						
		WATCH						WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD	143	138	135	136	136	134
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT	134	128	127	126	128	126
REVOLUTION COUNTER (END OF WATCH)		1290 2540	1242 2910	1294 3050	1296 2730	1298 1490	1300 0470	AUX. COND. CONDENSATE		3 4	sec 102	sec 91	sec 93	sec 94	sec 89	sec 92
TOTAL REVOLUTIONS (FOR WATCH)		22230	20870	20140	19680	18760	18980	1ST STAGE FEED WATER HEATER		176	165	165	157	160	155	
AVERAGE RPM		72.6	86.1	83.9	82.0	78.1	79.5	D. C. FEED WATER HEATER		238	238	238	238	238	238	
F.O. METER (END OF WATCH)		7410 4350	9880	2070	4200	5970	7710	3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		3060	2470	2190	2130	1770	1740	SUPER HEAT		P	720	720	725	712	sec	sec
THROTTLE		435	440	440	430	430	430	F.O. TO BURNERS		S	720	720	725	712	720	719
H.P. AHEAD		430	435	435	420	420	425	AIR TO FURNACE		P	150	166	160	150	sec	sec
L.P. AHEAD		26	17	17	8.5	8.9	8.5	F.O. TEMP. IN SETTLING TANKS		S	119	116	104		sec	sec
VACUUM		29.2	29.5	29.3	29.5	29.8	29.7	PORT BOILER UPTAKE		S	126	110	110	112	110	110
L.O. TO TURBINES		12.5	12.7	12.8	12.6	12.7	12.8	STBD. BOILER UPTAKE		P	96	100	100	95	95	94
AUX. STEAM		135	130	135	135	130	130	F.O. TO BURNERS		S	85	95	110	123	12	114
BACK PRESSURE		9	9	9	9	9	9	MAIN STEAM		P	460	450	460	460	450	450
GLAND STEAM		3.0	2.0	1.6	2.5	1.5	1.5	F.O. TO BURNERS		S	125	120	135	135	165	sec
H.P. BLEEDER		10	76	75	50	50	50	NOZZLES IN USE			18	18	14	10	10	10
I.P. BLEEDER		6	6	6	—	6	6	NO. OF BURNERS IN USE		P	3	3	2	2	sec	sec
L.P. BLEEDER		11"	10"	14"	18"	19	18"	BURNER TIP SIZE		S	3	3	2	3	3	3
STEAM AT THROTTLE		720	720	725	712	720	719	CO ₂ % PORT BOILER								
L. P. EXHAUST		106	102	100	100	99	94	CO ₂ % STBD. BOILER								
CONDENSATE		100	92	95	92	86	55	OIL LEVEL MAIN SUMP			3'6"	3'5"	3'5"	3'5"	3'5"	3'6"
CIRC. WATER IN		70	64	68	67	64	65	TURBINE OIL			4'0"	4'0"	4'0"	4'0"	4'0"	4'0"
CIRC. WATER OUT		84	76	78	80	74	76									
L.O. TO COOLERS		124	124	122	120	120	121									
L.O. FROM COOLERS		110	110	110	110	110	112									
TEMPERATURE THRUST BEARING		113	110	110</												

1200-1600 WATCH

W/AG IN OPERATION: #3 & #4 (BURS, F.O. PUMPS, F.D. FANS, FEED PUMPS, M/N. COND. PUMPS)
 #4 GEN, M/N & AUX CIRC, #4 POT WATER PUMP, PURIFIER, M/N L.O. PUMP.
 CHANGED #2 BURNER
 FILLED #3 GEN SUMP WITH L.O. FROM M/N SUMP
 ADDED WATER TO 1'S D.B.
 PUMPED SETTLERS FROM 4/2 & 4/5 D.B.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE.
 BLOW TUBES IN #3, 4 BOILERS
 CHANGED AND CLEANED #1, 5, 6, F.O. BURNERS AND DISCH. STRAINER
 14 NOZZLES @ 1738 P/C BRIDGE.
 CHIEF ENGR. IN C.E.S. RM. 1815-1830

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE EXCEPT.
 CHANGED & CLEANED #3 F.D. DISCH. STRAINER.
 REMOVED SOOT BLOWER HEAD FOR REPAIR.
 SWITCHED TO #3 POT. WATER PUMP.
 SEC'D AUX. CIRC.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

W/AG AS BEFORE SLOWED TO 10 NOZZLES @ 0200 & SEC'D #4 BUR
 CHIEF ENGINEER IN C.R. 0140-0215
 PUMPED SETTLERS FROM 5/5 D.B.
 TESTED LOW L.O. & OVERSPEED TRIPS.
 CHANGED OVER & CHECKED M/N L.O. STRNRS.
 PUT BALLAST IN 7'S D.B. (3')

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
 VENTED PORT BOILER, SUPERHEATER DRAWS OPEN.
 REPLACED SOOT BLOWER
 TESTED AND COMPOUNDED #3, 4 BOILERS.
 CLEANED AND INSP. MAIN L.O. STRAINER.
 OILED COUPLING ON #4 MAIN FEED PUMP.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE.
 CLEAN #3 AUX. CONDENSER. FILLED #4 BOILER
 CHANGED & CLEANED #3 F.O. DISCH. STRAINER.
 CHIEF ENG. WORKING ON #4 BOILER ECONOMIZER.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 900	HOURS 914
AKL 9.93	AKL 12.85
T-MS 12.85	T-AKL 15.18
S-L 290	SAL. 4.56
PLCS. 40	PHOS. 40
R-ph 50.53	R-ph 52

CHIEF ENGR'S SIGNATURE-

USNS Ben J. Pope (TAP-110) VOYAGE NO. 56 FROM Union Tag TO San Francisco TYPE OF VESSEL PS-52-R2 DATE 10/13/64

WATCH							WATCH						
1200 TO 1600							1200 TO 1600						
1600 TO 2000							1600 TO 2000						
2000 TO 2400							2000 TO 2400						
2400 TO 0400							2400 TO 0400						
0400 TO 0800							0400 TO 0800						
0800 TO 1200							0800 TO 1200						
RUNNING TIME							HOTTEST GEAR BEARING FORWARD						
DETENTION TIME							HOTTEST GEAR BEARING AFT						
REVOLUTION COUNTER (END OF WATCH)							AUX. COND. CONDENSATE						
TOTAL REVOLUTIONS (FOR WATCH)							1ST STAGE FEED WATER HEATER						
AVERAGE RPM							D. C. FEED WATER HEATER						
F.O. METER (END OF WATCH)							3RD STAGE FEED WATER HEATER						
F.O. CONSUMED							SUPER HEAT						
PRESSURES	THROTTLE	430	435	420	420	420	425	F.O. TO BURNERS					
	H.P. AHEAD	425	430	420	420	410	420	AIR TO FURNACE					
	L.P. AHEAD	8.5	9	9	9	25	23	F.O. TEMP. IN SETTLING TANKS					
	VACUUM	29.8	29.9	29.9	29.8	29.5	29.5	PORT BOILER UPTAKE					
	L.O. TO TURBINES	12.8	12.7	12.7	12.8	12.7	12.8	STBD. BOILER UPTAKE					
	AUX. STEAM	130	130	135	135	150	145	F.O. BACK PRESSURE					
	BACK PRESSURE	9	9	9	9	9	9	MAIN STEAM					
	GLAND STEAM	2.5	1.5	1.5	1.5	3	2.5	F.O. TO BURNERS					
	H.P. BLEEDER	50	50	50	50	74	70	MAIN COND. SALINITY					
	L.P. BLEEDER	-	-	-	-	6	6	ENGINE ROOM TEMPERATURE					
TEMPERATURES	L.P. BLEEDER	18"	19"	18"	18"	16"	12"	FIRE ROOM TEMPERATURE					
	STEAM AT THROTTLE	715	715	711	720	730	715	NOZZLES IN USE					
	L.P. EXHAUST	94	94	94	94	98	96	NO. OF BURNERS IN USE					
	CONDENSATE	86	87	86	84	92	92	BURNER TIP SIZE					
	CIRC. WATER IN	63	62	62	60	62	56	CO ₂ % PORT BOILER					
	CIRC. WATER OUT	74	74	72	70	76	74	CO ₂ % STBD. BOILER					
	L.O. TO COOLERS	120	120	122	122	122	124	OIL LEVEL MAIN SUMP					
	L.O. FROM COOLERS	110	110	110	110	110	108	MAIN THRUST					
	TEMPERATURE THRUST BEARING	107	107	107	107	112	111						
	FORWARD H.P. ROTOR BEARING	117	115	115	117	120	118						
	AFT. H.P. ROTOR BEARING	123	124	124	124	128	126						
	FORWARD L.P. ROTOR BEARING	120	120	120	120	125	128						
	AFT. L.P. ROTOR BEARING												

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	4	1200	460	720	10	134	118		51	1250	1250	230					
1600 TO 2000	3		SEC														
2000 TO 2400	4	1200	450	715	10	134	114		51	1150	1200	230					
2400 TO 0400	3		SEC														
0400 TO 0800	4	1200	450	711	10	132	116		51	1000	1050	230					
0800 TO 1200	3	1200	460	720	10	134	117		51	1050	1050	230					
												L.O. CENTRIFUGE - HOURS OPERATED					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												4	4	4	4	4	4
												SUMMARY					
												RUNNING TIME		PROPELLER SLIP (%)			
												DETENTION TIME		BBL FUEL MI			
												TOTAL REVOLUTIONS		WIND DIRECTION			
												AVERAGE R.P.M.		STATE OF SEA			
												TOTAL MILES BY ENGINE		STATE OF WEATHER			
												TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

MACH AS BEFORE
 SECD #3 MIN COND. PUMP
 PUMPED SETTLERS FROM S/S DB.
 DAYWORKERS WORKING ON ECONOMIZER LEAKS #4/BLR

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

BLEW TUBES IN #3 BOILER.
 DAYWORKERS WORKING ON ECONOMIZER LEAKS #4 BOILER.
 LIT OFF #4 BOILER @ 1715 CUT IN ON LINE @ 1935
 SECURED #3 BOILER @ 1945.
 CHIEF ENGR IN ENGINE ROOM 1600-1700, 1730-1800

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE EXCEPT:
 TEST #3 BOILER SOOT BLOWERS FOR FLANGE LEAKS.
 REMOVED SOOT BLOWER LINE & ECONOMIZER COVER CASING #3 BOILER
 INSTALL PACKING IN STEAM END #3 POT. WATER PUMP.
 COOKING #3 BOILER.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH AS BEFORE PUMPED SETTLERS FROM S/S & S/S DB
 REPAIRED TUBE LEAK ON ECONOMIZER BY ROLLING TUBE. HYDRO OK,
 PUT WARMING FIRE IN @ 0310
 TESTED LOW L.O. & OVERSPEED TRIPS
 ADVANCED CLOCK 20 mins @ 0043

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

CTR 130/3250
 MACHINERY AS BEFORE.
 ADVANCED CLOCK 20 MIN. @ 0500.
 CUT IN #3 BOILER @ 0530, OILED #3 MAIN FUEL PUMP COUPLING.
 18 NOZZLES @ 0545
 TESTED AND COMPOUNDED #3, 4 BOILERS
 CLEANED MAIN L.O. STRAINER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY IN OPERATION AS BEFORE.
 CHANGE & CLEAN #6 BURNER & #3 F.O. DISCH. STRAINER.
 INSTALLED SOOT BLOWER LINES ON #3 BOILER
 CHIEF ENGR. IN ENGINE ROOM @ 1032 to 1040.
 TEST RUN STBY L.O. PUMP.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 914	HOURS 930
AKL 8.76	AKL 1.16
T-VEL 10.51	T-AKL 8.3
S.L. 3.31	SAL. .83
PECS. 40	PHOS. 10
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

USNS		GENERAL JOHN POPE		VOYAGE NO. 5E		FROM LUNL TAIL		TO SAN FRANCISCO		TYPE OF VESSEL PL-2-R2		DATE 10/13-1/66	
		WATCH						WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME		210		240		220		220		220		240	
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)		1313		1315		1317		1319		1321		1324	
TOTAL REVOLUTIONS (FOR WATCH)		4530		8580		8630		9100		9620		1910	
AVERAGE RPM		92.2		100.2		91.1		92.9		93.2		92.8	
F.O. METER (END OF WATCH)		1057		1057		1057		1057		1058		1058	
F.O. CONSUMED		2210		4860		7260		7250		2220		4850	
THROTTLE		430		430		430		430		430		430	
H.P. AHEAD		425		420		420		420		420		420	
L.P. AHEAD		25		24		24		24		24		24	
VACUUM		29.8		29.5		29.5		29.5		29.6		29.6	
L.O. TO TURBINES		12.8		12.7		12.7		12.8		12.7		12.8	
AUX. STEAM		140		140		140		140		140		140	
BACK PRESSURE		9		9		9		9		9		9	
GLAND STEAM		30		3.2		2.7		2.8		2.5		3.6	
H.P. BLEEDER		70		74		76		70		71		70	
I.P. BLEEDER		6		6		6		6		6		6	
L.P. BLEEDER		11'		11"		12"		12'		11"		12"	
STEAM AT THROTTLE		720		730		730		722		715		710	
L. P. EXHAUST		95		94		94		94		94		94	
CONDENSATE		92		90		90		90		90		90	
CIRC. WATER IN		59		56		56		56		56		56	
CIRC. WATER OUT		74		74		74		72		74		74	
L.O. TO COOLERS		124		124		124		124		122		125	
L.O. FROM COOLERS		109		110		110		110		110		110	
TEMPERATURE THRUST BEARING		109		110		112		112		110		112	
FORWARD H.P. ROTOR BEARING		125		126		127		128		125		123	
AFT. H.P. ROTOR BEARING		124		126		130		128		128		126	
FORWARD L.P. ROTOR BEARING		123		124		126		126		125		127	
AFT. L.P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD		130		142		144		144		144		145	
HOTTEST GEAR BEARING AFT		126		136		139		136		138		137	
AUX. COND. CONDENSATE		3		90		86		86		86		86	
1ST STAGE FEED WATER HEATER		172		175		175		171		170		171	
D. C. FEED WATER HEATER		237		238		237		238		238		238	
3RD STAGE FEED WATER HEATER													
SUPER HEAT		P 720		730		730		722		715		710	
F.O. TO BURNERS		S 150		140		154		150		164		150	
AIR TO FURNACE		P 110		100		100		101		100		102	
F.O. TEMP. IN SETTLING TANKS		P 90		90		92		85		96		105	
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
F. O. BACK PRESSURE													
MAIN STEAM		P 460		450		450		450		450		450	
F.O. TO BURNERS		S 115		115		110		110		120		115	
MAIN COND. SALINITY				.4		.4		.4		.4		.4	
ENGINE ROOM TEMPERATURE		81		80		82		81		82		83	
FIRE ROOM TEMPERATURE		81		80		82		81		82		83	
NOZZLES IN USE		18		18		18		18		18		18	
NO. OF BURNERS IN USE		P 3		3		3		3		3		3	
BURNER TIP SIZE		S 51		51		51		51		51		51	
CO. % PORT BOILER										86%			
CO. % STBD. BOILER										84%			
OIL LEVEL MAIN SUMP		3'5"		3'4"		3'5"		3'5"		3'4"		3'5"	
T/REB T/REB		HP		OSI		OSI		OSI		OSI		OSI	
		LP		135		135		135		135		135	

REMARKS

1200-1600 WATCH

MACH. IN OPERATION: #3 & #4 (BLRS, F.O. FANS, FEED PUMPS, F.O. PUMPS, H/N COND PUMPS)
 H/N CIRC, AIR COMP, PURIFIER, H/N L.O. PUMP, #3 RETABLE WATER PUMP
 CHANGED #2 BURNER, PUMPED SETTLERS FROM 5'S D.B.
 STARTED #3 GEN, SWITCHED LOAD FROM #4 GEN, SEC'D #4 GEN
 TESTED OVERSPEED & LOW L.O. TRIP #4 GEN.
 TEST RAN STBY L.O. PUMP. NBC DRILL @ 1520

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #1 F.O. BURNER
 AND DISCH. STRAINER. BLEW TUBES IN #3, 4 BOILERS.
 DRAINED #4 AUX. CONDENSER.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE.
 CHANGE & CLEAN #5 BURNER & #3 F.O. DISCH. STRAINER.
 REMOVE SOOT BLOWER FOR REPAIR.
 CLEAN & ADD OIL #4 GEN. L.O. COOLER & REPLACE ZINGS.
 SET 2200'S 2434 20' @ 2300.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE
 CHANGED #4 BURNER & SUCT STRNR.
 PUMPED SETTLERS FROM 5'S D.B.
 DE-BALLASTED 7P/S
 HELD GUNLINE CASUALTY DRILL C-11 H/MONK WATCH PERSONNEL
 ADVANCED CLOCK 20 mins @ 0037

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
 CHANGED AND CLEANED #2 F.O. BURNER AND DISCH. STRAINER.
 CLEANED AND INSPECTED MAIN L.O. STRAINER.
 TESTED AND COMPOUNDED #3, 4 BOILERS. REPLACED SOOT BLOWER
 ADVANCED CLOCK 20 MIN. @ 0500
 HELD ENGINEERING CASUALTY DRILL E-11 0530-0600 4 MEN PRESENT OR NOTIF.
 MACH. IN OPER. AS BEFORE.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

BLEW TUBES #3 & #4 BOILERS. CHIEF ENG. INSPECTED #4 GEN. GEARS
 (GOOD) CONDITION. DUMPED L.O. FROM #4 GEN. TO MAIN SUMP VIA PURIFIER.
 FILLED L.O. SUMP #4 GEN. CLEANED & INSPECTED #4 GEN. L.O. SUMP.
 CLEANED & INSPECT. #4 AUX. CONDENSER.
 CLEANED #6 BURNER & #3 F.O. DISCH. STRAINER.
 HELD ENG. CASUALTY DRILL E-11 FROM 1000 TO 1030. 4 MEN PRESENT. BRIDGE
 NOTIFIED

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

SEB'D	PORT
HOURS 938	HOURS 954
AKL 9.34	AKL 9.93
T-AKL 12.26	T-AKL 13.43
SAL. 3.31	SAL. 1.66
PHOS. 40	PHOS. 50
R-ph 50	R-ph 53

CHIEF ENGR'S SIGNATURE-

USNS Gen John Pope (TAP-110) VOYAGE NO. 5E FROM Vung Tau TO San Francisco TYPE OF VESSEL P26 DATE 10/17/15-66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	240	240	240	240			HOTTEST GEAR BEARING FORWARD		143	144	146	143	144	146	
DETENTION TIME										HOTTEST GEAR BEARING AFT		136	136	140	136	136	139	
REVOLUTION COUNTER (END OF WATCH)		1326 4280	1328 6610	1330 7020	1333 1300	1335 3840	1337 6250			AUX. COND. CONDENSATE		3 4 87	84 sec	85 sec	84 sec	87 sec	86 sec	
TOTAL REVOLUTIONS (FOR WATCH)		2230	2233	22260	2230	22540	22410			1ST STAGE FEED WATER HEATER		175	175	171	170	175	171	
AVERAGE RPM		93.2	93.0	92.7	93.5	93.9	93.3			D. C. FEED WATER HEATER		238	238	238	238	238	239	
F.O. METER (END OF WATCH)		1058 7600	1059 0060	1059 2860	1059 5650	1059 8390	1060 1050			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2750	2760	2300	2830	2700	2660											
MACHINERY PARTICULARS	PRESSURES	THROTTLE	430	430	430	430	430	430	TEMPERATURES	SUPER HEAT		P	725	720	720	710	715	715
		H.P. AHEAD	430	420	420	420	425	425		S	125	720	720	710	715	715		
		L.P. AHEAD	24	23	24	24.5	25	24		P	150	160	154	150	160	150		
		VACUUM	29.8	29.9	29.9	29.8	29.9	29.9		S	150	154	150	150	166	150		
		L.O. TO TURBINES	12.8	12.7	12.8	12.8	12.5	12.6		P	103	100	100	101	100	100		
		AUX. STEAM	140	140	140	140	140	140		S	107	100	100	98	100	100		
		BACK PRESSURE	9	9	9	9	9	9		P	116	110	106	90		100		
		GLAND STEAM	3.5	3.2	3.2	3.5	2.5	2.4		S		1 sec	sec		sec			
		H.P. BLEEDER	70	70	70	70	54	60										
		I.P. BLEEDER	6	6	6	6	6	6										
	L.P. BLEEDER	11"	11"	12"	11"	11"	12"											
	TEMPERATURES	STEAM AT THROTTLE	725	720	720	710	715	715	MISCELLANEOUS	MAIN COND. SALINITY			4	4		4	4	
		L. P. EXHAUST	96	93	92	92	92	92		ENGINE ROOM TEMPERATURE		81	82	82	82	82	82	
		CONDENSATE	92	88	90	88	90	89		FIRE ROOM TEMPERATURE		81	82	82	82	82	82	
CIRC. WATER IN		58	56	54	54	55	54	NOZZLES IN USE		18	18	18	18	18	18			
CIRC. WATER OUT		75	74	72	72	72	72	NO. OF BURNERS IN USE		P	3	3	3	3	3	3		
L.O. TO COOLERS		125	124	124	124	124	123	S		3	3	3	3	3	3	3		
L.O. FROM COOLERS		110	110	105	110	110	110	P		51/55	51/55	51/55	51/55	51/55	51/55	51/55		
TEMPERATURE THRUST BEARING		113	110	111	112	111	110	S		51/55	51/55	51/55	51/55	51/55	51/55	51/55		
FORWARD H.P. ROTOR BEARING		125	125	127	128	128	127	CO ₂ % PORT BOILER										
AFT. H.P. ROTOR BEARING		125	126	126	124	130	126	CO ₂ % STBD. BOILER										
FORWARD L.P. ROTOR BEARING	126	125	123	123	125	124	OIL LEVEL MAIN SUMP		3.5	3.5	3.6	3.9	3.9	3.9				
AFT. L.P. ROTOR BEARING							THERMIST		051	051	051	051	051	051				

GENERATORS											FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY
1200 TO 1600	3	1200	460	725	8	132	110		62	1100	1100	230	1060	1050	16200	ON HAND AT START OF DAY
1600 TO 2000	3	1200	450	720	8	132	110		62	1100	1100	230	1058	4850		EVAPORATED OR RECEIVED
2000 TO 2400	3	1200	450	720	8	136	118		62	1050	1150	230				ON HAND
2400 TO 0400	3	1200	450	710	8	132	110		62	1100	1100	230				CONSUMED
0400 TO 0800	3	1200	450	715	8	132	110		62	1150	1200	230				ON HAND AT START OF DAY
0800 TO 1200	3	1200	450	715	8	136	110		62	1175	1175	230				RECEIVED
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																
L.O. CENTRIFUGE - HOURS OPERATED																
1200 TO 1600	4	4	4	4	4	4	4	4	4	4	4	4				
1600 TO 2000	4	4	4	4	4	4	4	4	4	4	4	4				
2000 TO 2400	4	4	4	4	4	4	4	4	4	4	4	4				
2400 TO 0400	4	4	4	4	4	4	4	4	4	4	4	4				
0400 TO 0800	4	4	4	4	4	4	4	4	4	4	4	4				
0800 TO 1200	4	4	4	4	4	4	4	4	4	4	4	4				
SUMMARY																
RUNNING TIME													PROPELLER SLIP (%)			
DETENTION TIME													EBL FUEL MI			
TOTAL REVOLUTIONS													WIND DIRECTION			
AVERAGE R.P.M.													STATE OF SEA			
TOTAL MILES BY ENGINE													STATE OF WEATHER			
TOTAL MILES BY OBSERVATION																

1200-1600 WATCH

MACH. IN OPERATION. #3 & 4 (BLR, F.O.P, FEED PUMPS, F.O. FANS, W/N COND PUMPS)
 AIRCOMP, #3 GEN, W/N CIRC, #3 RET PUMP, PURIFIER, W/N L.O. PUMP
 CHANGED #4 BURNER
 PUT BALLAST & SEA CLEAN TO 70%
 PUMPED UP SETTLER FROM 50% & 54 DB
 PUMPED OUT CHTD SETT OVERBOARD

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
 BLEW TUBES IN #3, 4 BOILERS.
 CHANGED AND CLEANED #1 F.O. BURNER AND DISCH. STRAINER.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE.
 CHANGED & CLEANED #6 BURNER & #3 F.O. DISCH. STRAINER
 REMOVED SOOT BLOWER FOR REPAIR.
 PUMPED BILGES

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE
 CHANGED #2 BURNER & F.O. SUET STRNR
 PUMPED SETTLERS FROM 1P, 3S, 4S, & 6 & DB
 PUT BALLAST INTO 7P DB
 TESTED TURBINE TRIPS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #2 F.O.
 BURNER AND DISCH. STRAINER. CLEANED AND INSP. MAIN L.O. STRAINER.
 REPLACED SOOT BLOWER IN PORT BOILER. TESTED #3, 4 BOILERS
 STBD BOILER ON CONTINUOUS BLOW TO BOILER BLOW EVAP @ 0630
 SPLIT PLANT TESTED AUX. CONDENSERS - 2 G/G. SINGLE PLANT AS BEFORE
 TESTED ATMOS. AND CONTAM. DR. TANKS - 2 G/G.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

BLEW TUBES #3 & #4 BOILERS
 CHANGED & CLEANED #6 BURNER & #3 F.O. DISCH. STRAINER.
 CHIEF ENG. IN ENGINE ROOM FROM 0935 TO 0943.
 #2 PORT M.U.F - 1.4 G/G. SHIFTED TO #2S.
 POT. WATER PUMP SUCTION #2 P. FEED TANK.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D PORT
 HOURS 962 HOURS 978
 A.M. 8.18 A.M. 8.76
 T-10.51 T-AKL 11.68
 S.L. 11.60 SAL. 8.29
 PHOS. 40 PHOS. 40
 R.ph R.ph

CHIEF ENGR'S SIGNATURE-